

## NCS1 rabbit pAb

<b>Catalog No :</b>	YT6975
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	NCS1
<b>Gene Name :</b>	NCS1 FLUP FREQ
<b>Protein Name :</b>	NCS1
<b>Human Gene Id :</b>	23413
<b>Human Swiss Prot No :</b>	P62166
<b>Mouse Gene Id :</b>	14299
<b>Mouse Swiss Prot No :</b>	Q8BNY6
<b>Rat Gene Id :</b>	65153
<b>Rat Swiss Prot No :</b>	P62168
<b>Immunogen :</b>	Synthesized peptide derived from human NCS1 AA range: 3-53
<b>Specificity :</b>	This antibody detects endogenous levels of NCS1 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

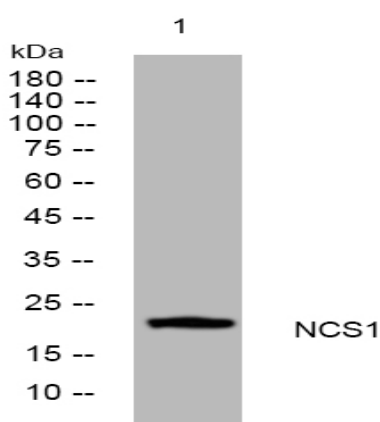
**Molecularweight :** 21kD

**Background :** This gene is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. The protein encoded by this gene regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. The protein is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

**Function :** function:Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin.,miscellaneous:Binds 3 calcium ions via the second, third and fourth EF-hand.,similarity:Belongs to the recoverin family.,similarity:Contains 4 EF-hand domains.,subcellular location:Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions.,subunit:Interacts with KCND2.,

**Subcellular Location :** Golgi apparatus . Cell junction, synapse, postsynaptic density . Cytoplasm, perinuclear region . Cytoplasm . Cell membrane ; Peripheral membrane protein. Membrane ; Lipid-anchor . Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions. .

## Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night